



AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An information distribution system transmitting information ~~based on a demand from a terminal apparatus~~ from a server apparatus to ~~[[the]]~~ a terminal apparatus based on a request signal from the terminal apparatus,
[[said]] the server apparatus comprising:

a first transceiver for ~~transmission to~~ communication with the terminal apparatus and for receiving the request signal from the terminal apparatus requesting information; and

a first controller for scheduling a ~~point of time for distribution~~ time ~~based on a state of over~~ a communication line ~~used for distribution of information~~ in accordance with ~~[[a]]~~ the request signal requesting information from the terminal apparatus ~~received at said transceiver~~ and for controlling the system for the distribution of the information ~~for said request signal~~ to the terminal apparatus through the first transceiver at the ~~scheduled point of~~ distribution time, and

[[said]] the terminal apparatus comprising:

a second transceiver for communication with ~~[[a]]~~ the server apparatus;
and

a second controller for generating ~~[[a]]~~ the request signal for requesting the distribution of ~~desired~~ the information, for controlling the system for transmission of the ~~requested information~~ request signal to ~~[[said]]~~ the server apparatus through ~~[[said]]~~

the second transceiver, and for controlling the system for reception of ~~[[said]]~~ the information distributed by ~~[[said]]~~ the server apparatus in ~~a period of~~ the distribution time ~~determined~~ scheduled by ~~[[said]]~~ the server apparatus ~~with respect to said request~~ signal, wherein

the request signal comprises time limit information indicating a time limit for distribution of the information; and

the first controller schedules the distribution time based on the time limit for distribution and the state of the communication line.

2. (Canceled).

3. (Currently Amended) ~~[[An]]~~ The information distribution system ~~as set forth in~~ of claim ~~[[2]]~~ 1, wherein the first controller of ~~[[said]]~~ the server apparatus detects a traffic load of ~~[[said]]~~ the communication line and distributes the information ~~at a period of time~~ when the traffic load is small.

4. (Currently Amended) ~~[[An]]~~ The information distribution system ~~as set forth in~~ of claim 3, wherein

~~[[said]]~~ the terminal apparatus further comprises an interface for providing information to a user, ~~[[and]]~~

the server apparatus schedules the distribution time by estimates ~~estimating~~ a period time ~~[[until]]~~ before the time limit of distribution ~~and a point of time~~ when the traffic load of the communication line is small, controls the system for notification of ~~said~~

~~estimated point of the distribution~~ time to ~~[[said]] the~~ terminal apparatus, and schedules ~~so as to distribute the distribution of~~ the information at the ~~estimated point of distribution~~ time, and

~~[[said]] the~~ second controller of ~~[[said]] the~~ terminal apparatus controls the system for ~~provision of the point of time of providing the~~ distribution ~~time notified from the server~~ apparatus to ~~the user through~~ the interface.

5. (Currently Amended) ~~[[An]] The~~ information distribution system ~~as set forth in~~ of claim ~~[[2]] 1~~, wherein ~~[[said]] the~~ first controller of ~~[[said]] the~~ server apparatus calculates an amount of charge for ~~the~~ distribution of ~~the~~ information based on a length of ~~the period of~~ time until the time limit of distribution ~~designated by the terminal~~ apparatus and performs processing for charging the terminal apparatus based on the calculated amount of charge.

6. (Currently Amended) ~~[[An]] The~~ information distribution system ~~as set forth in~~ of claim ~~[[2]] 1~~, wherein ~~[[said]] the~~ second transceiver of ~~[[said]] the~~ terminal apparatus communicates with the server ~~apparatus~~ through a wireless transmission base station.

7. (Currently Amended) ~~[[An]] The~~ information distribution system ~~as set forth in~~ of claim 6, wherein ~~[[said]] the~~ first controller of ~~[[said]] the~~ server apparatus calculates an amount of charge for ~~the~~ distribution of ~~the~~ information based on an efficiency of use of a communication resource in communication between ~~[[said]] the~~ terminal apparatus

and ~~[[said]]~~ the base station and performs processing for charging the terminal apparatus based on the calculated amount of charge.

8. (Currently Amended) ~~[[An]]~~ The information distribution system ~~as set forth in~~ of claim 1, wherein

~~[[said]]~~ the first controller of ~~[[said]]~~ the server apparatus calculates cost information indicating communication costs based on ~~[[a]]~~ the state of ~~[[said]]~~ the communication line by region, by time band, or by time band for individual regions and controls the system for distribution of the calculated cost information to the terminal apparatus;

~~[[said]]~~ the second controller of ~~[[said]]~~ the terminal apparatus generates, ~~as said~~ the request signal~~[[,]]~~ comprising a signal including distribution information designating a desired region or desired time band or both ~~desired for communication~~ distribution of information; and

~~[[said]]~~ the server apparatus schedules the system for the distribution of information to the designated region and time band based on the request signal.

9. (Currently Amended) A terminal apparatus receiving distribution of information from a server apparatus, ~~[[said]]~~ the terminal apparatus ~~receiving distribution of information from a server apparatus~~ comprising:

a transceiver for ~~transmission to~~ communication with the server apparatus; and

a controller for generating a request signal for requesting the distribution of ~~desired~~ the information, for controlling the system for transmission of the ~~requested~~

~~information request signal~~ to ~~[[said]] the server apparatus~~ through ~~[[said]] the~~ transceiver, and ~~for~~ controlling the system for reception of ~~[[said]] the~~ information distributed by ~~[[said]] the server apparatus~~ in a ~~period of~~ distribution time determined scheduled by [[said]] the server apparatus ~~with respect to said request signal, wherein~~ the request signal comprises a signal including time limit information indicating a time limit for distribution of the information.

10. (Canceled).

11. (Currently Amended) ~~[[An]] The terminal apparatus as set forth in of claim~~ ~~[[10]] 9~~, further comprising an interface for providing information to a user, ~~[[and]]~~ wherein the controller controls the system for ~~provision of the point of time of~~ providing the distribution time notified from the server apparatus to the user through the interface.

12. (Currently Amended) ~~[[An]] The terminal apparatus as set forth in of claim~~ ~~[[10]] 9~~, wherein ~~[[said]] the~~ transceiver communicates with the server apparatus through a wireless transmission base station.

13. (Currently Amended) ~~[[An]] The terminal apparatus as set forth in of claim 9~~, wherein ~~[[said]] the~~ controller generates, ~~as said the request signal[[,]]~~ comprising a signal including distribution information designating a desired region or desired time band or both ~~desired for communication~~ distribution of information.

14. (Currently Amended) ~~[[An]]~~ The terminal apparatus ~~as set forth in~~ of claim 13, further comprising an interface for providing information to a user, ~~[[and]]~~

wherein ~~[[said]]~~ the controller controls the system for receiving cost information from the server apparatus and provision providing to the user through the interface ~~[[of]]~~ the cost information based on a state of ~~[[said]]~~ a communication line by region, by time band, or by time band for individual regions ~~as received from the server apparatus.~~

15. (Currently Amended) ~~[[A]]~~ The terminal apparatus ~~as set forth in~~ of claim ~~[[10]]~~ 9, further comprising an interface for providing information to a user, ~~[[and]]~~

wherein ~~[[said]]~~ the terminal apparatus controls the system for receiving a period of time from the server apparatus and provision providing to the user through the interface ~~[[of a]]~~ the period of time ~~[[until]]~~ before a time limit of distribution and time band where the in which a traffic load of ~~[[the]]~~ a communication line is small ~~notified from the server apparatus.~~

16. (Currently Amended) ~~[[A]]~~ The terminal apparatus ~~as set forth in~~ of claim 9, further comprising

a counter for ~~counting a period of~~ internally measuring time;

a power supply for controlling the supply of power to each portion of the terminal apparatus and substantially making each portion valid or invalid; and

a storage for storing information, ~~[[and]]~~ wherein

~~[[said]] the controller receives receiving a scheduled point of the distribution time at which said information is to be distributed as notified by said from the server apparatus, stores said received scheduled period of time of the distribution time in [[said]] the storage, starts the supply of power from [[said]] the power supply and receives information distributed from [[said]] the server apparatus when the parts of the terminal apparatus are invalid in state near the scheduled period of time of distribution time based on the scheduled point of time of distribution time stored in [[said]] the storage and the internally measured period of time.~~

17. (Currently Amended) ~~[[A]] The terminal apparatus as set forth in of~~ claim 16, wherein ~~[[said]] the~~ controller stops the supply of power from ~~[[said]] the~~ power supply and makes the parts of the terminal apparatus invalid in state when the reception of information distributed from ~~[[said]] the~~ server apparatus ends.

18-24. (Withdrawn).

25. (Currently Amended) An information distribution method for transmitting information ~~based on a demand from a terminal apparatus~~ from a server apparatus to ~~[[the]] a terminal apparatus based on a request signal from the terminal apparatus, said information distribution the method for transmitting information based on a request from a terminal apparatus from a server apparatus to the terminal apparatus, comprising the steps of:~~

~~having said~~ generating, in the terminal apparatus, ~~generates~~ a request signal requesting distribution of ~~desired~~ information;

transmitting ~~[[said]]~~ the request signal from ~~[[said]]~~ the terminal apparatus to ~~[[said]]~~ the server apparatus;

~~having said~~ scheduling, in the server apparatus, ~~schedule a point of time for~~ distribution time for distribution over ~~based on a state of~~ a communication line ~~to be~~ used ~~for the distribution of information~~ in accordance with ~~[[a]]~~ the request signal requesting information from ~~said terminal apparatus;~~

distributing information ~~for said request signal~~ from ~~[[said]]~~ the server apparatus to ~~[[said]]~~ the terminal apparatus at the ~~scheduled point of~~ distribution time; and

~~having said~~ receiving, in the terminal apparatus, ~~receive said~~ the information distributed from ~~[[said]]~~ the server apparatus, wherein

the request signal includes time limit information indicating a time limit of distribution of the information; and

the distribution time is scheduled based on the time limit information of the request signal and the state of the communication line.

26. (Canceled).

27. (Currently Amended) ~~[[An]]~~ The information distribution method ~~as set forth~~ in of claim ~~[[26]]~~ 25, wherein ~~[[said]]~~ the server apparatus detects a traffic load of ~~[[said]]~~ the communication line and schedules distribution of ~~[[said]]~~ the information ~~for a period of time where~~ when the traffic load is small.

28. (Currently Amended) ~~[[An]]~~ The information distribution method ~~as set forth~~
~~in~~ of claim ~~[[26]]~~ 25, wherein, when receiving ~~[[said]]~~ the request signal, ~~[[said]]~~ the
server apparatus schedules the distribution time by ~~estimates~~ estimating a period of
time ~~[[until]]~~ before the time limit for distribution ~~and a point of time where~~ when the
traffic load of the communication line is small, ~~notifies the estimated point of~~ sends
notification of the distribution time to ~~[[said]]~~ the terminal apparatus, and distributes the
information at the ~~estimated point of~~ distribution time.

29. (Currently Amended) ~~[[An]]~~ The information distribution method ~~as set forth~~
~~in~~ of claim 27, wherein ~~[[said]]~~ the server apparatus calculates an amount of charge for
distribution of information based on a length of ~~the period of~~ time until the time limit of
distribution ~~designated by the terminal apparatus~~ and performs processing for charging
the terminal apparatus based on the calculated amount of charge.

30. (Currently Amended) ~~[[An]]~~ The information distribution method ~~as set forth~~
~~in~~ of claim ~~[[26]]~~ 25, wherein ~~[[said]]~~ the terminal apparatus communicates with the
server apparatus through a wireless communication base station.

31. (Currently Amended) ~~[[An]]~~ The information distribution method ~~as set forth~~
~~in~~ of claim 30, wherein ~~[[said]]~~ the server apparatus calculates an amount of charge for
the distribution of the information based on an efficiency of use of a communication
resource in communication between ~~[[said]]~~ the terminal apparatus and ~~[[said]]~~ the base

station and performs processing for charging the terminal apparatus based on the calculated amount of charge.

32. (Currently Amended) ~~[[An]]~~ The information distribution method ~~as set forth in~~ of claim 25, wherein:

~~[[said]]~~ the server apparatus calculates cost information indicating communication costs based on ~~[[a]]~~ the state of ~~[[said]]~~ the communication line by region, by time band, or by time band for individual regions and distributes the calculated cost information to the terminal apparatus;

~~[[said]]~~ the terminal apparatus generates the signal request comprising a signal including distribution information designating a region or time band or both ~~desired~~ for distribution of information; and

~~[[said]]~~ the server apparatus schedules the distribution of information to the designated region and time band based on the request signal.

33. (Currently Amended) A data reception method for receiving distribution of information from a server apparatus, ~~said data reception~~ the method ~~for receiving distribution of information from a server apparatus~~, comprising the steps of:

generating a request signal requesting the distribution of ~~desired~~ the information, the request signal comprising time limit information indicating a time limit for distribution of the information;

transmitting ~~said requested information~~ the request signal to ~~[[said]]~~ the server apparatus; and

receiving ~~[[said]]~~ the information distributed by ~~[[said]]~~ the server apparatus in a period of during a distribution time ~~determined by said~~ scheduled by the server apparatus ~~for said request signal~~.

34. (Canceled).

35. (Currently Amended) ~~[[A]]~~ The data reception method ~~as set forth in~~ of claim 33, further comprising ~~a step of~~ generating the request signal comprising a signal including distribution information designating a desired region or desired time band or both for distribution of information ~~as said request signal~~.

36. (Currently Amended) ~~[[A]]~~ The data reception method ~~as set forth in~~ of claim 35, further comprising ~~a step of~~ receiving from ~~[[said]]~~ the server apparatus cost information indicating communication costs based on a state of ~~[[said]]~~ a communication line by region or by time band or by time band for individual regions.

37. (Currently Amended) ~~[[A]]~~ The data reception method ~~as set forth in~~ of claim ~~[[34]]~~ 33, further comprising ~~a step of~~ providing ~~[[the]]~~ a user with a period of time ~~until said~~ before the time limit of distribution and ~~point of time where the~~ when a traffic load of ~~[[the]]~~ a communication line is small ~~as notified from said server apparatus~~.

38. (Currently Amended) ~~[[A]]~~ The data reception method ~~as set forth in~~ of claim 33, further comprising the steps of:

internally measuring time;

receiving ~~a scheduled point of~~ the distribution time ~~for distribution of information~~
from ~~[[said]]~~ the server apparatus; and

controlling a power supply of a receiver to enable reception of information
distributed from ~~[[said]]~~ the server apparatus near the ~~scheduled period of~~ distribution
time ~~of distribution based on the received scheduled point of time of distribution~~ time
and ~~[[an]]~~ the internally measured ~~period of time~~.

39. (Currently Amended) ~~[[A]]~~ The data reception method ~~as set forth in~~ of claim
38, further comprising ~~a step of~~ controlling the power supply of the receiver to cut the
supply of power to at least part of the ~~circuits of the~~ receiver when ~~[[it]]~~ the receiver
finishes receiving the information distributed ~~from said~~ by the server apparatus.

40-47. (Withdrawn).